

# http://www.mn-arts.org/

# **April 2016 Edition**

### **April Meeting Minutes**

Russ Ramirez, K0WFS called the meeting to order at 1:00 PM. 18 were in attendance.

Introductions were made all around.

Meeting minutes from February 2016 were approved.

It was noted that there will not be a meeting in July.

Treasurer's Report: Paul Bushouse, N0TYE, reports that there is \$2103 in the account and we still have to pay our liability insurance.

Paul also reminded us that it was time to renew our membership. Suggested amount is \$20.

#### **Old Business:**

 There was a brief review of last month's Build-a-thon. The Build-athon this fall will involve one or two kits.

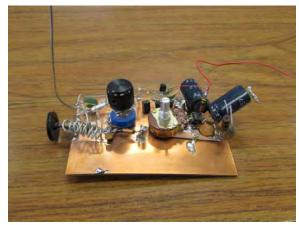
#### **New Business:**

 The group was encouraged to think about what they wanted to do for Field Day.

### Show & Tell

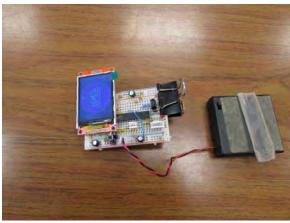
**Bob Liesenfeld**, WB0PDQ, brought in an FM broadcast super regenerative receiver which he constructed. It is based on an old Eico kit he had years ago. Bob reports that it works quite well.

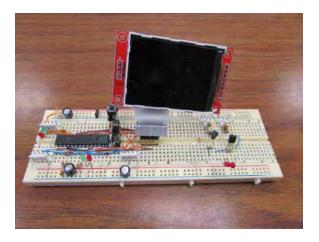




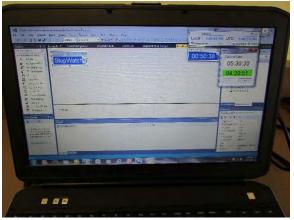
**Duane Johnson**, AD0TJ, brought in a number of microcontroller projects he has been working on. He also brought in a Rubidium frequency standard he uses in his shack.







**Ted Kinnear**, KD0NPJ, brought in his laptop with a program he had created in Visual Studio.





**John Krawczak**, KJ0P, brought in a display for an Ardunio. It is currently programmed to display his call sign.

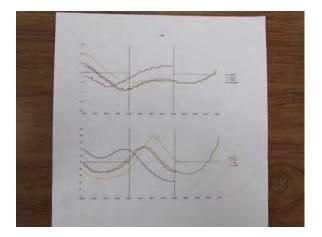


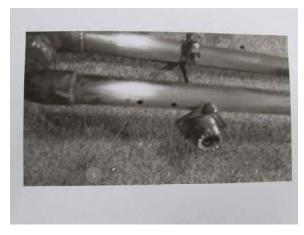




**Bob Shaw,** KD0JZM, explained how he plotted out his recently built 2 meter J pole. He had brought the antenna in at the previous meeting. Bob shared the plots he had made of the adjustment process.







Craig Siegenthaler, W7BGO, brought in a couple of older Icom 2 meter handhelds which were later given away. He also brought in a small digital oscilloscope he recently built. It has a nice display and a bandwidth of about 200 KHz. He built it into a nice case.







## **April Presentation**

Russ Ramirez, K0WFS, spoke on the "Evolution of Single Chip Microcontrollers". Russ started off by identifying what a microcontroller is and then starting in 1976 gave us a history of its history and evolution. Next month we will continue with microcontrollers and how they can be employed by us in our projects.



Respectfully submitted, Steve, NW0C

#### Club Officers:

President: Russ Ramirez/K0WFS
Vice Pres: Jeremy Mooney/KC0LDI
Secretary: Steve Ulrich/NW0C
Treasurer: Paul Bushouse/N0TYE
At Large: Craig Johnson/AA0ZZ

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